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FIG. 1

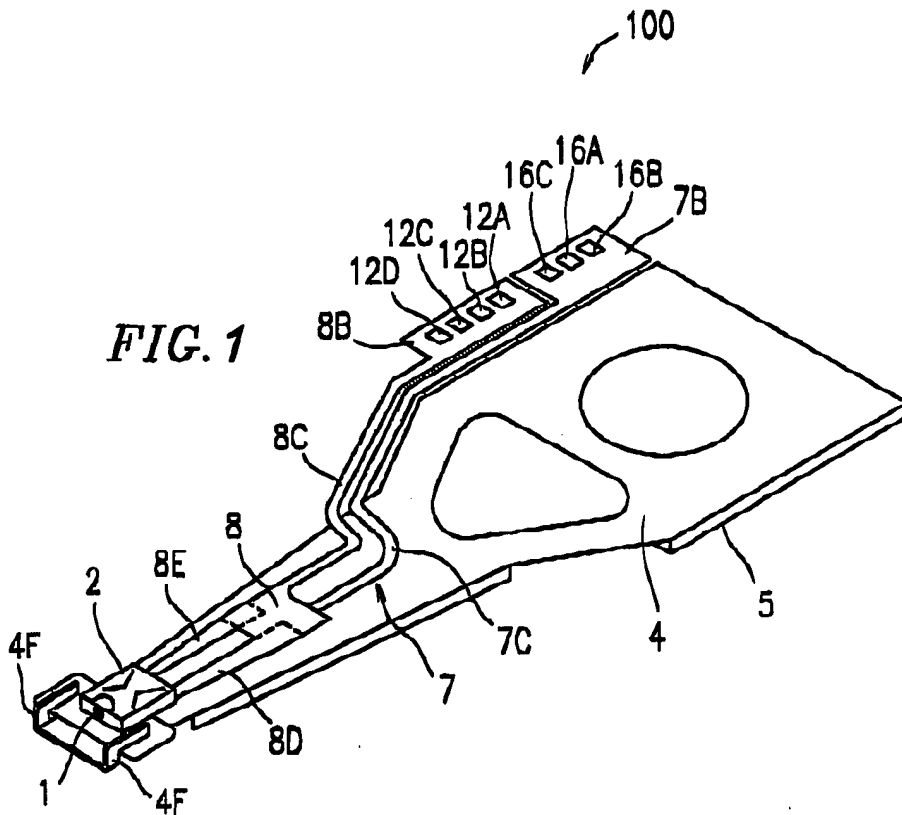
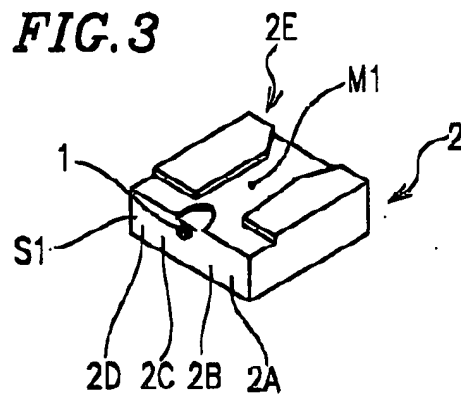


FIG. 1



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**FIG. 3**



**FIG. 4**

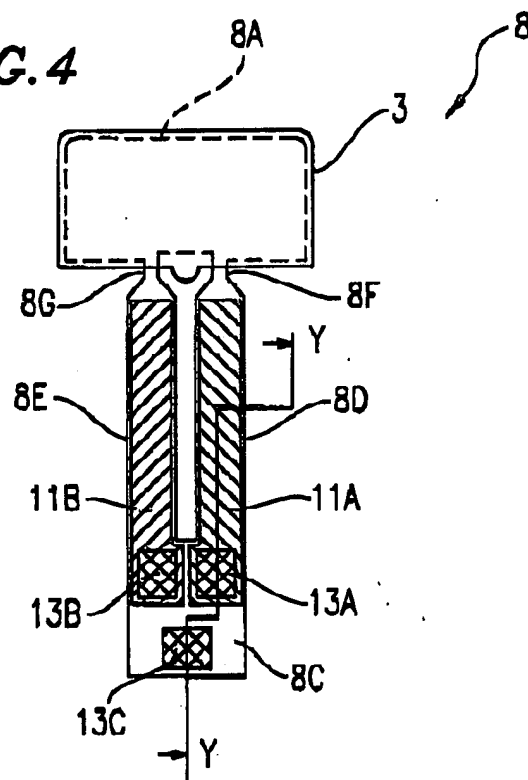


FIG. 3

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FIG. 5

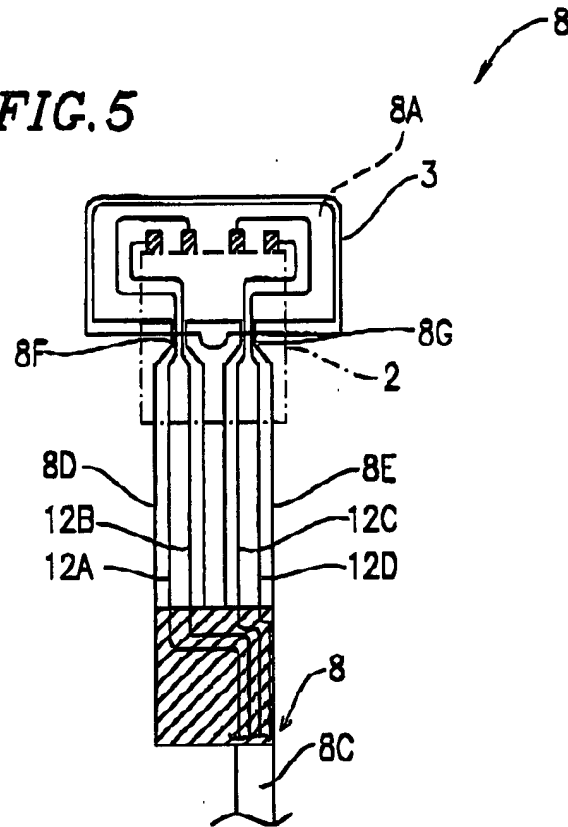
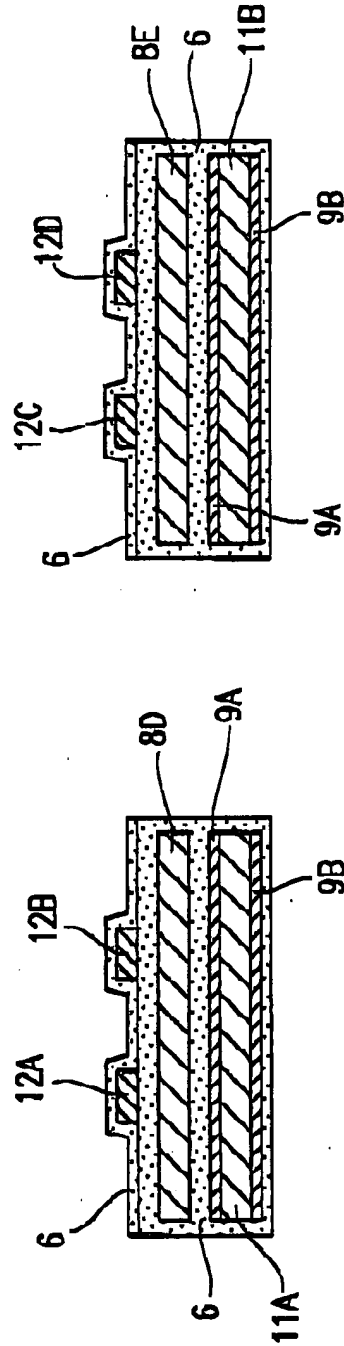


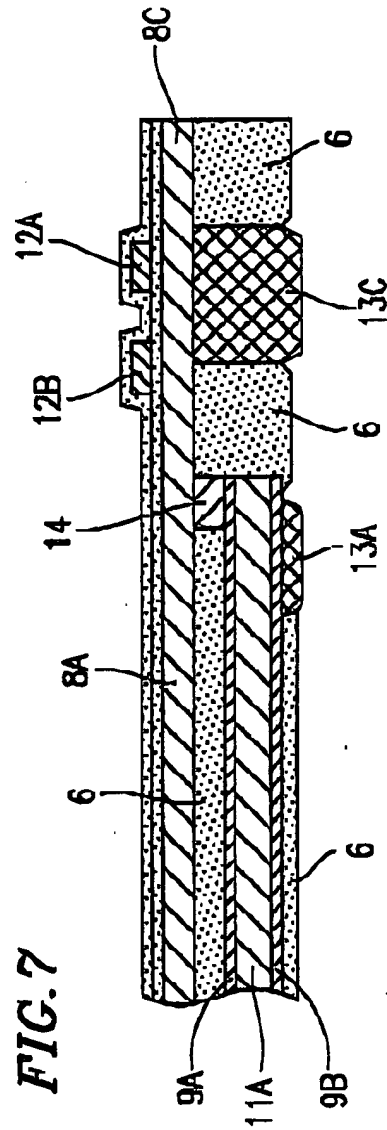
FIG. 5

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FIG. 6

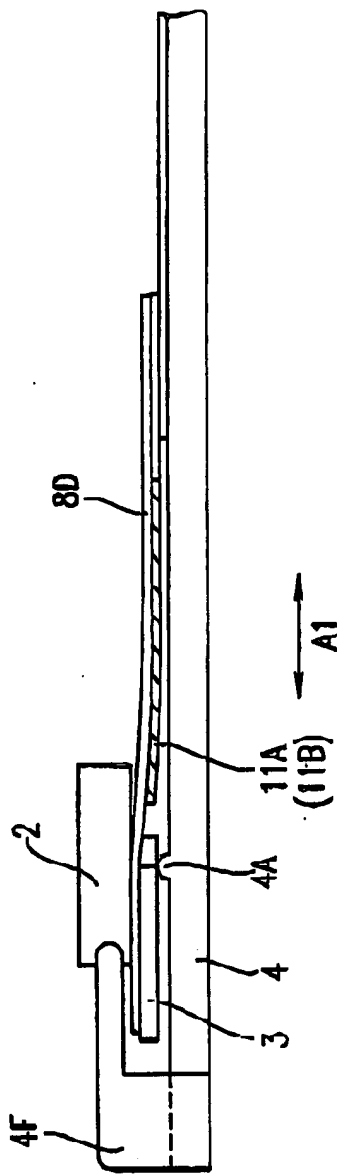


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FIG. 8



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FIG. 9

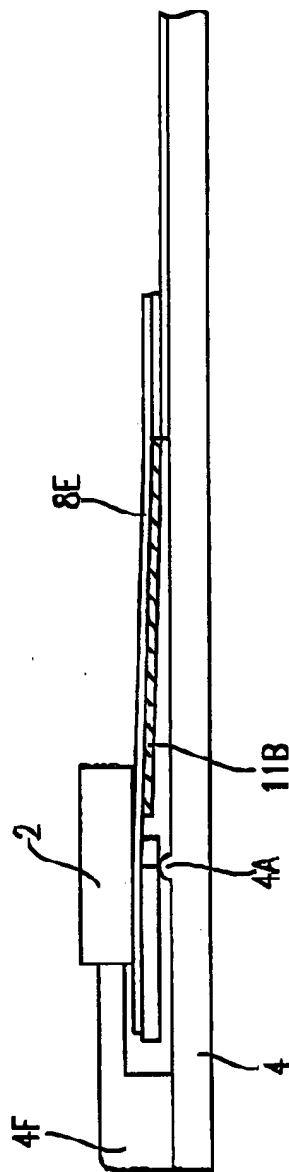


FIG. 9



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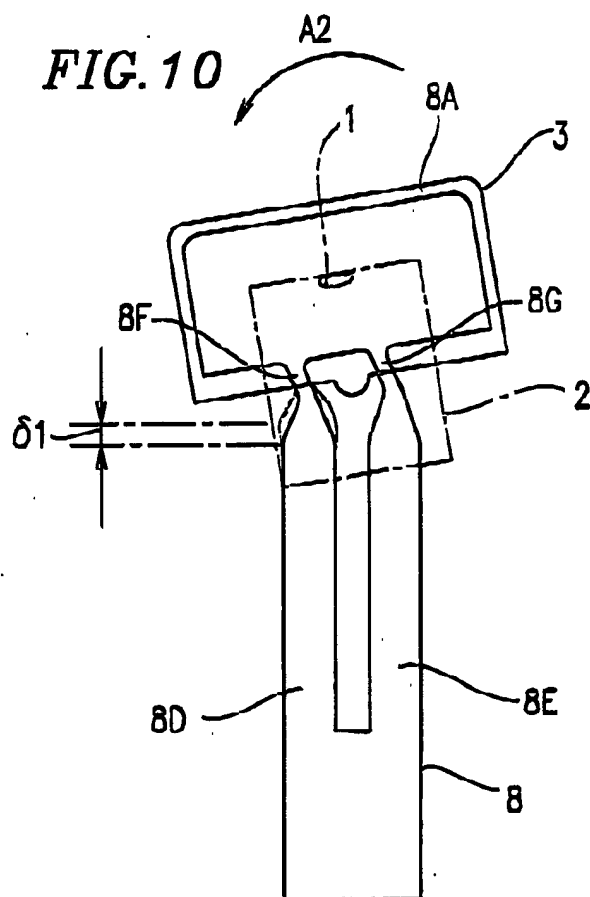
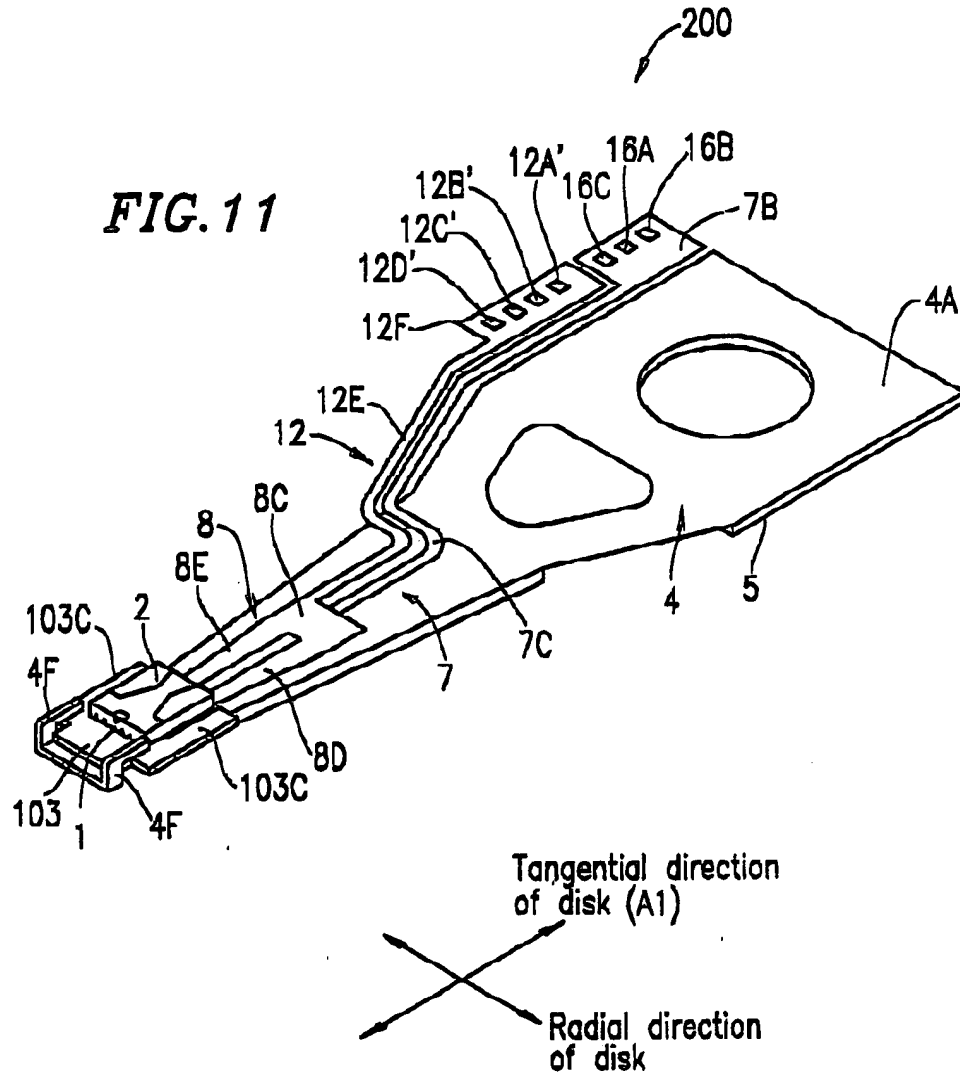


FIG. 10: 2001/04/26

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**FIG. 11**



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FIG. 12

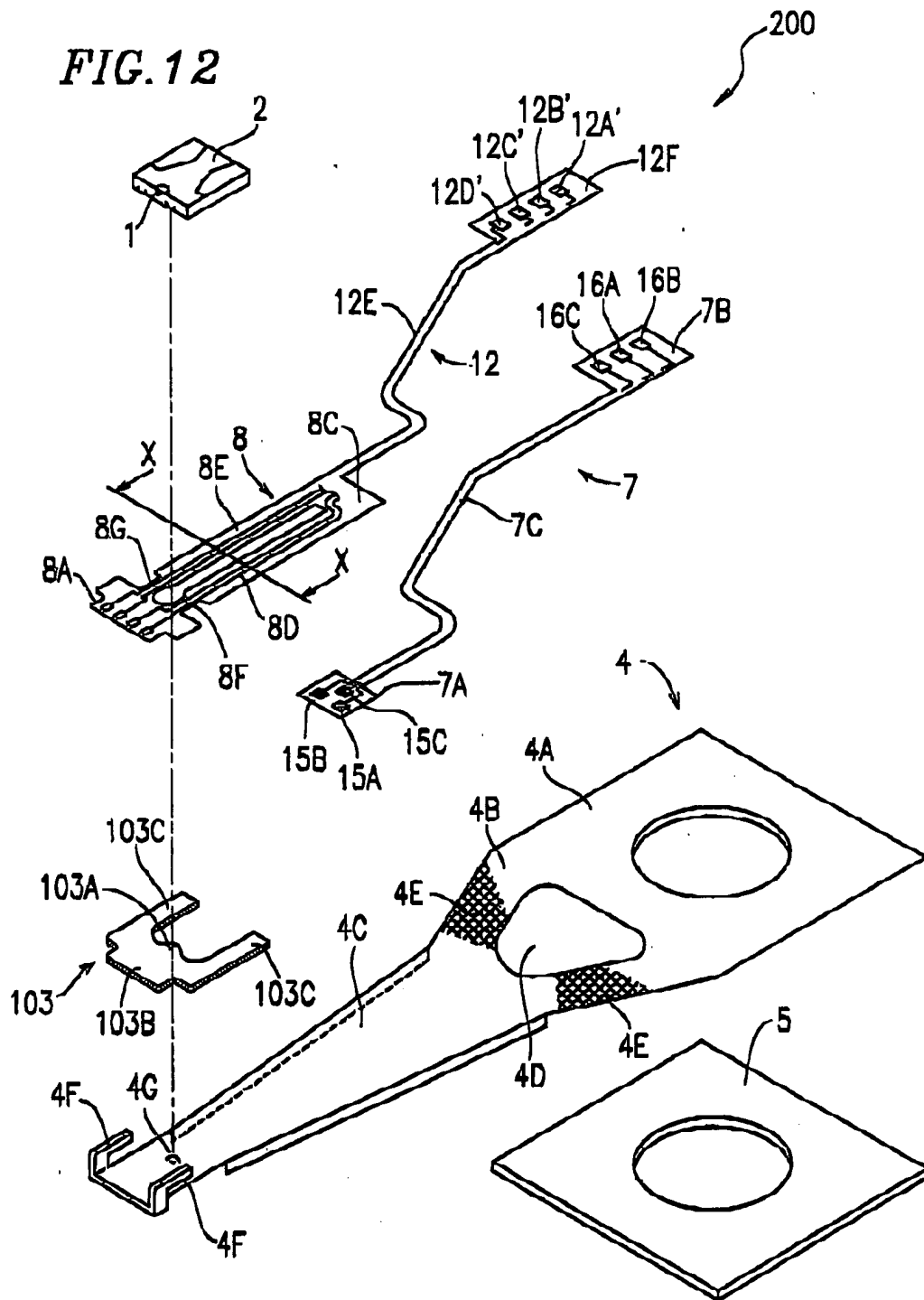


FIG. 12

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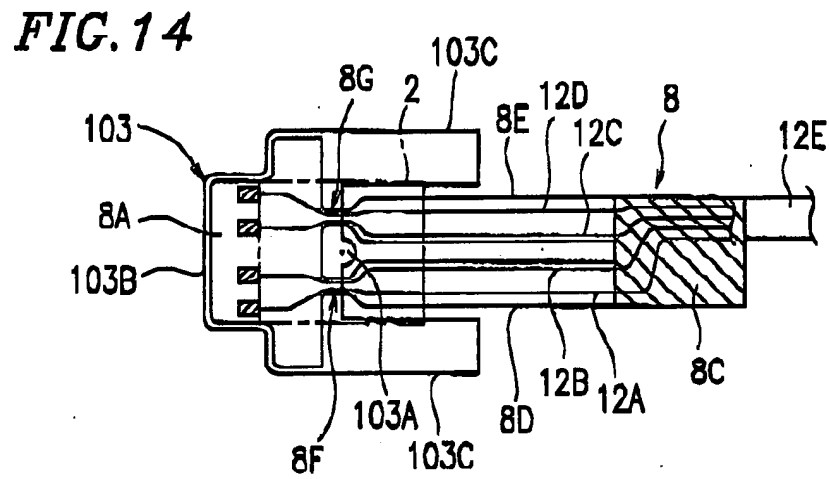
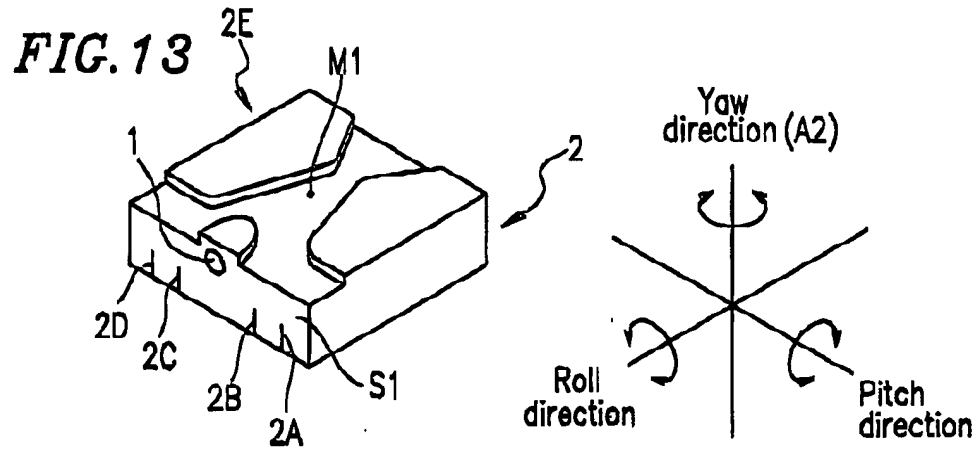
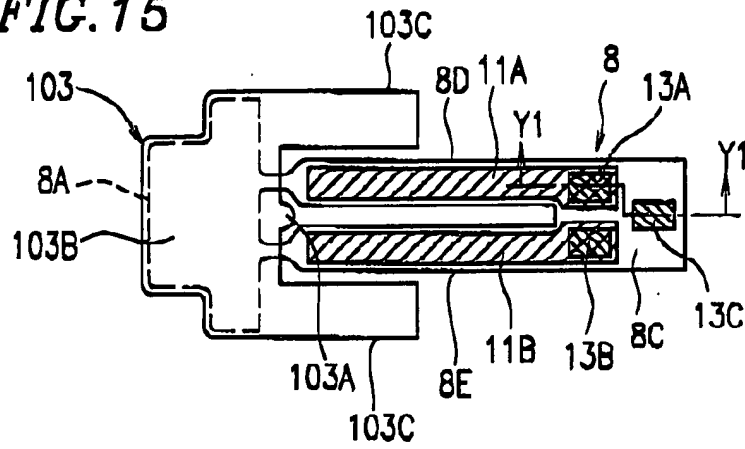


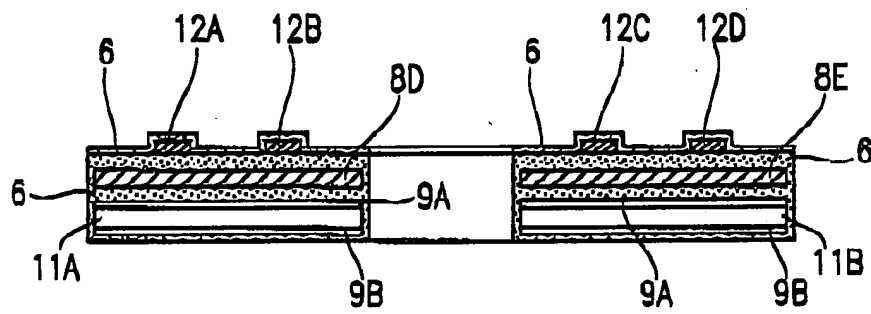
FIG. 13

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**FIG. 15**



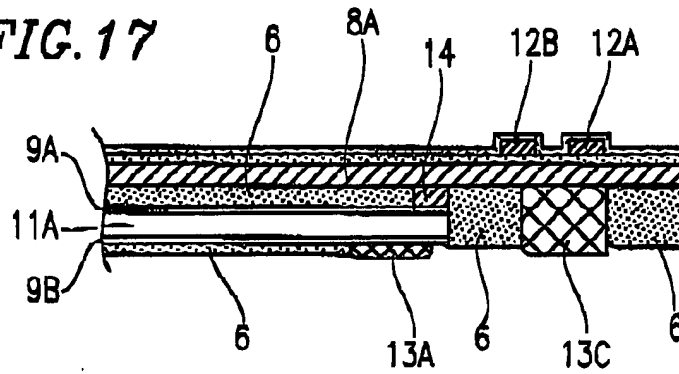
**FIG. 16**



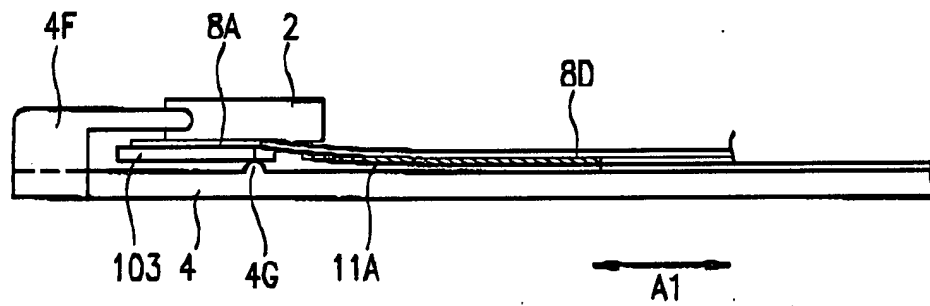
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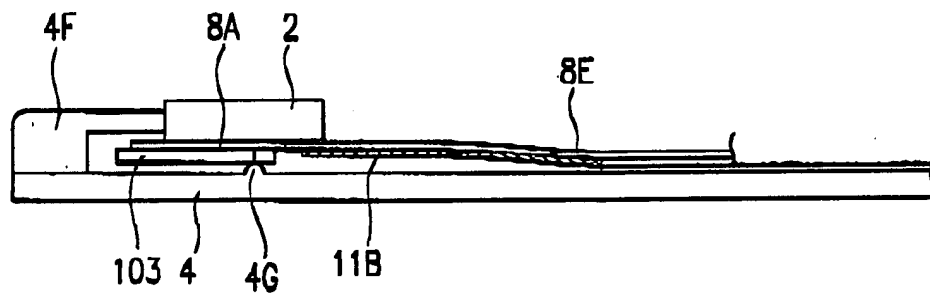
**FIG. 17**



**FIG. 18**

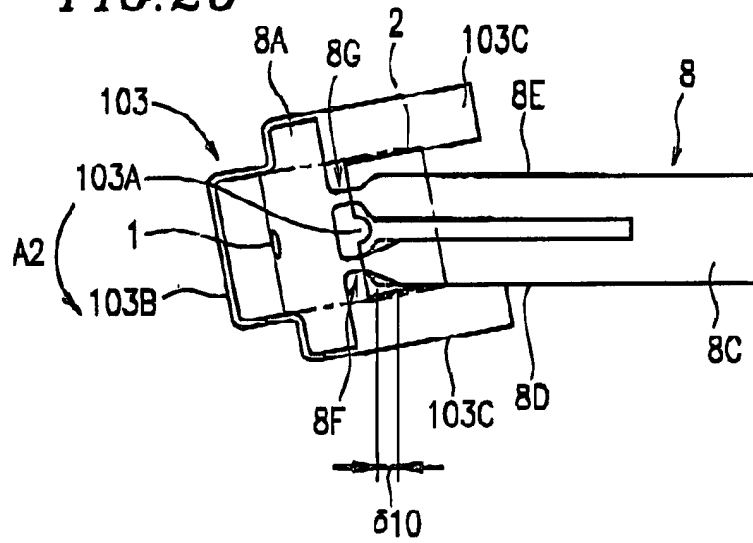


**FIG. 19**



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FIG. 20



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FIG. 22A

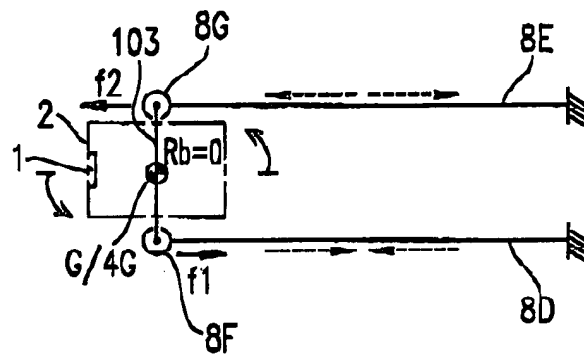


FIG. 22B

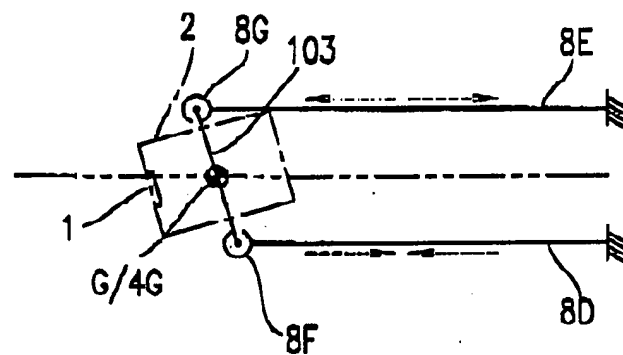
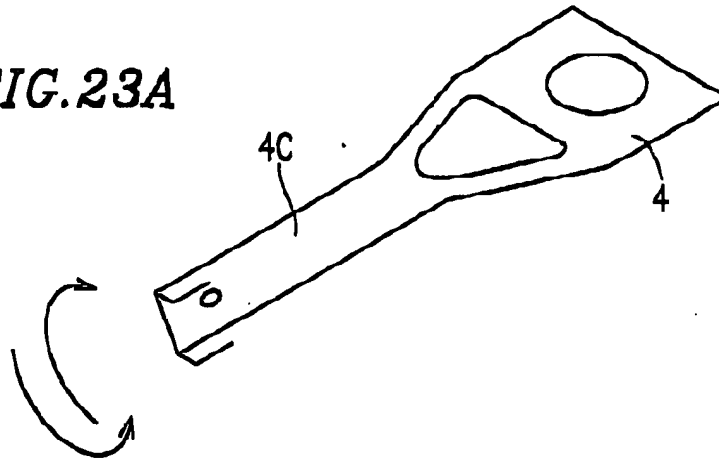


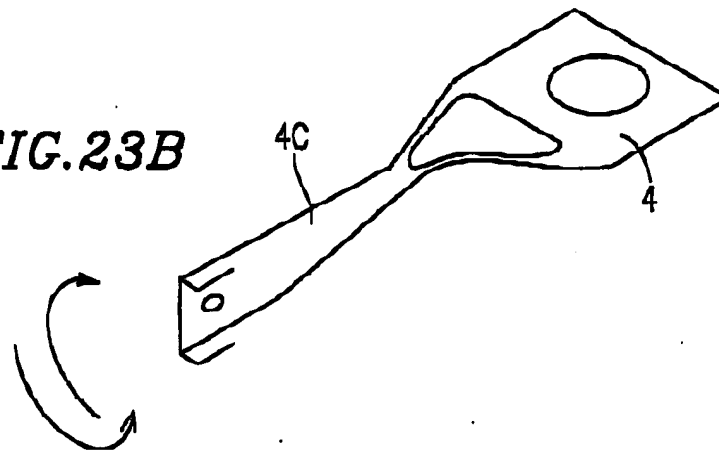
FIG. 22A

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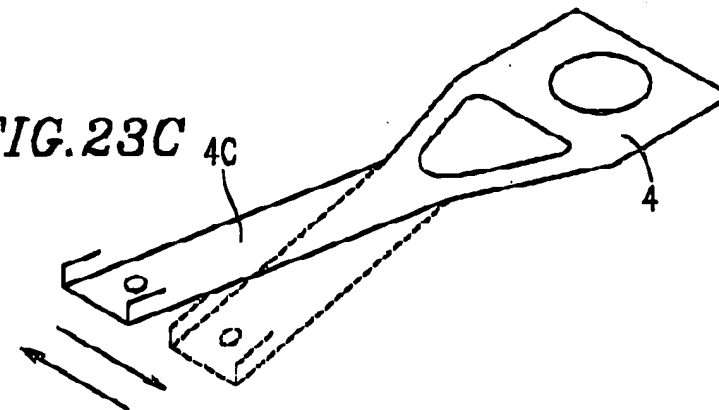
**FIG.23A**



**FIG.23B**



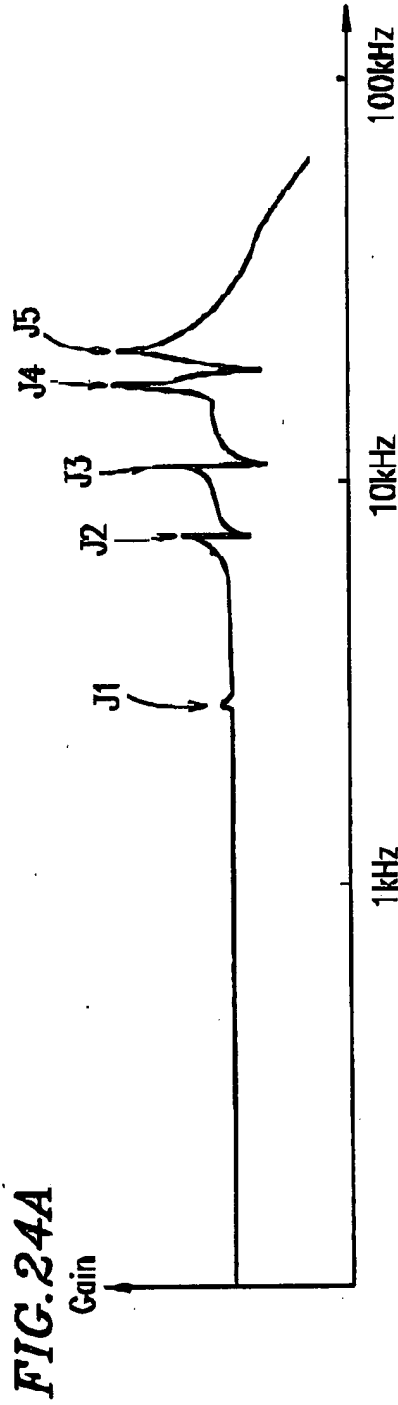
**FIG.23C**



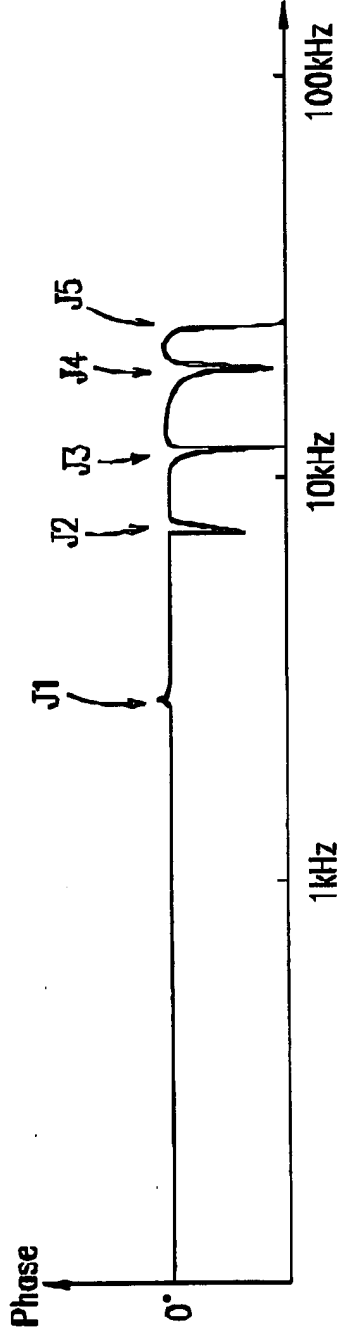
TOP VIEW

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FIG. 24A

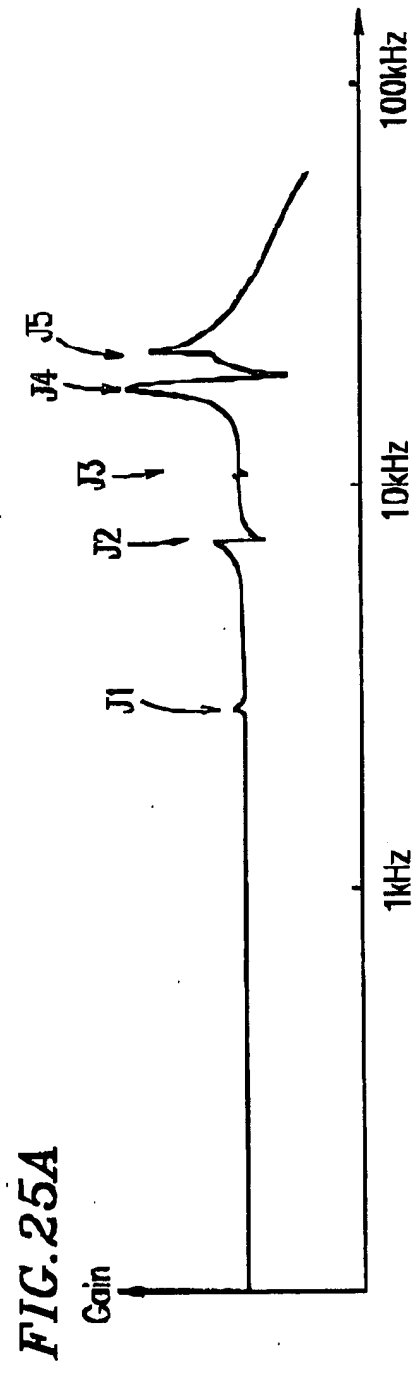


**FIG. 24B**

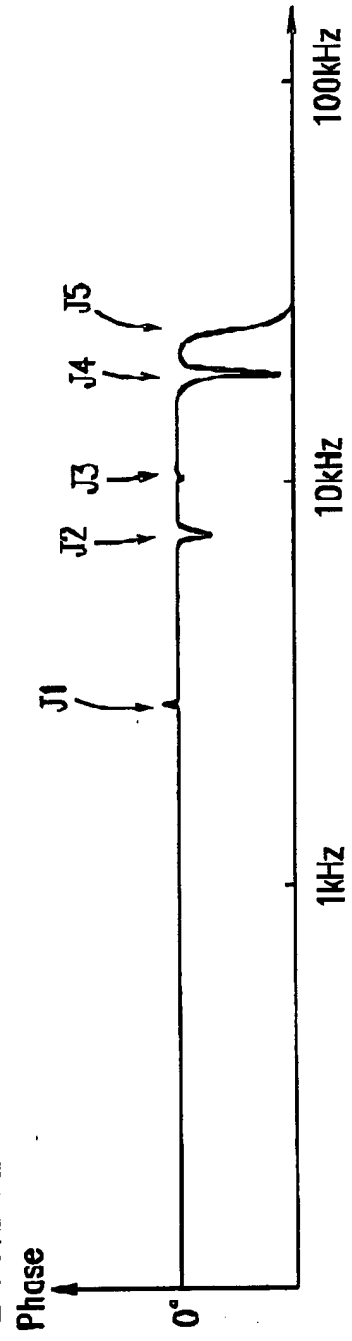


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FIG. 25A

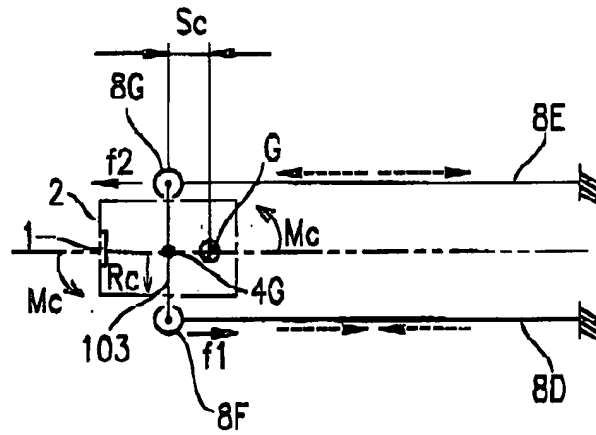


**FIG. 25B**

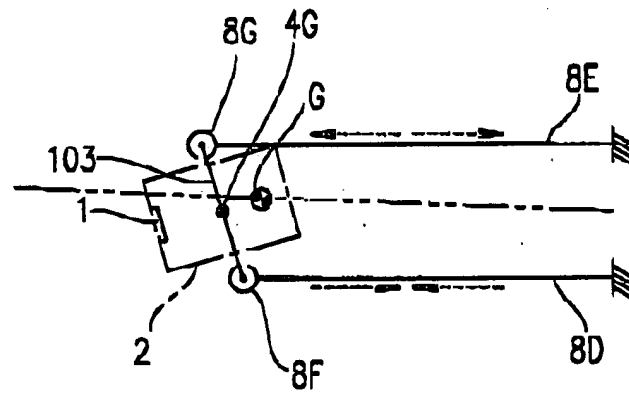


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**FIG. 26A**

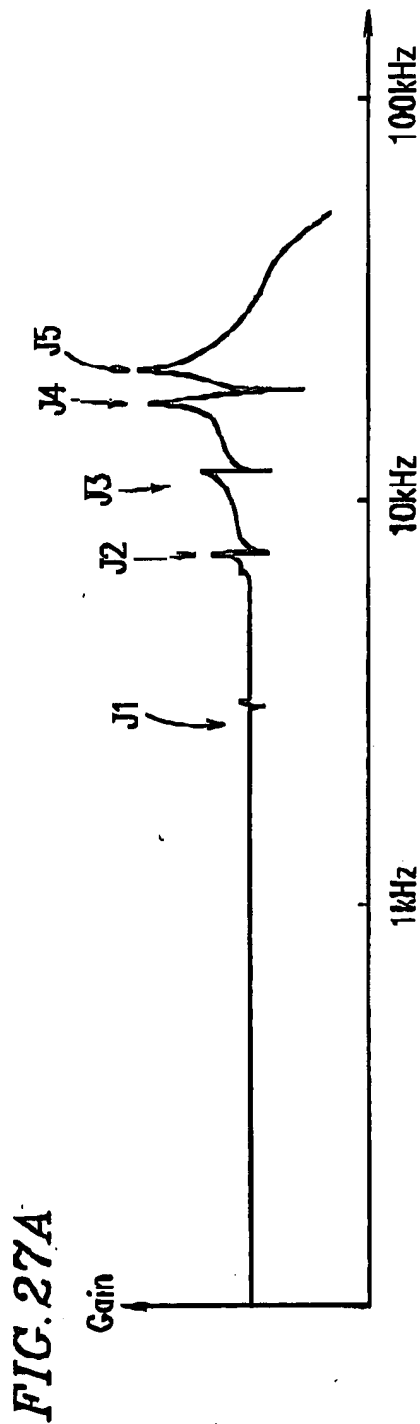


**FIG. 26B**

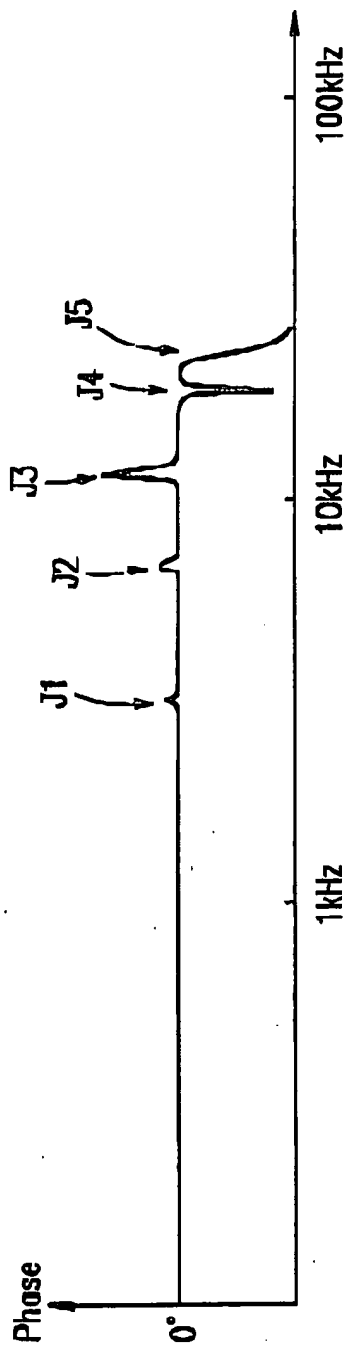


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FIG. 27A

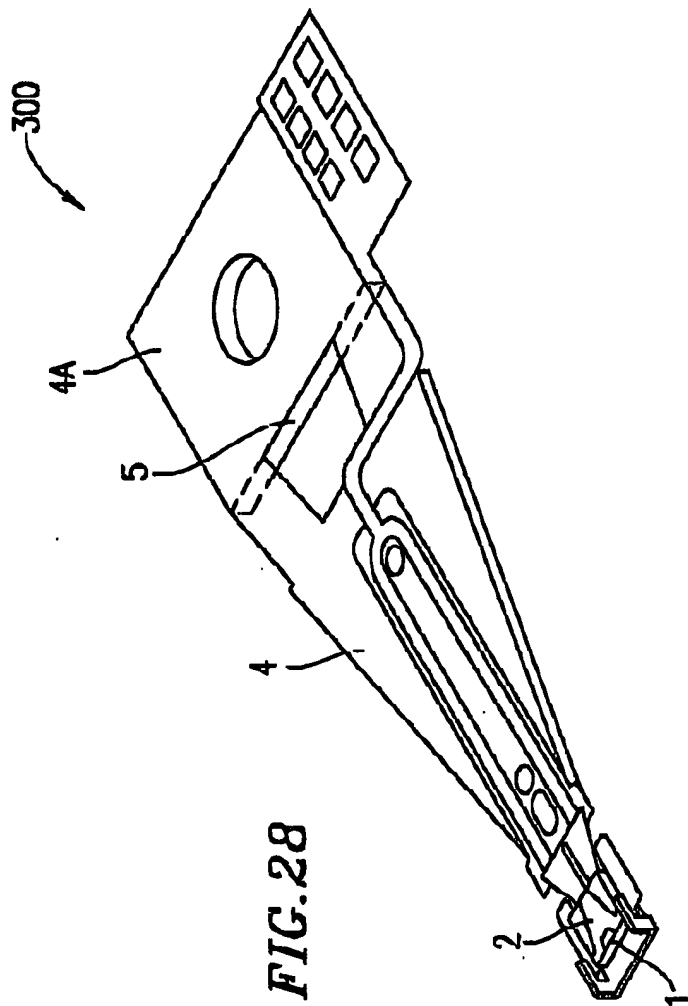


**FIG. 27B**



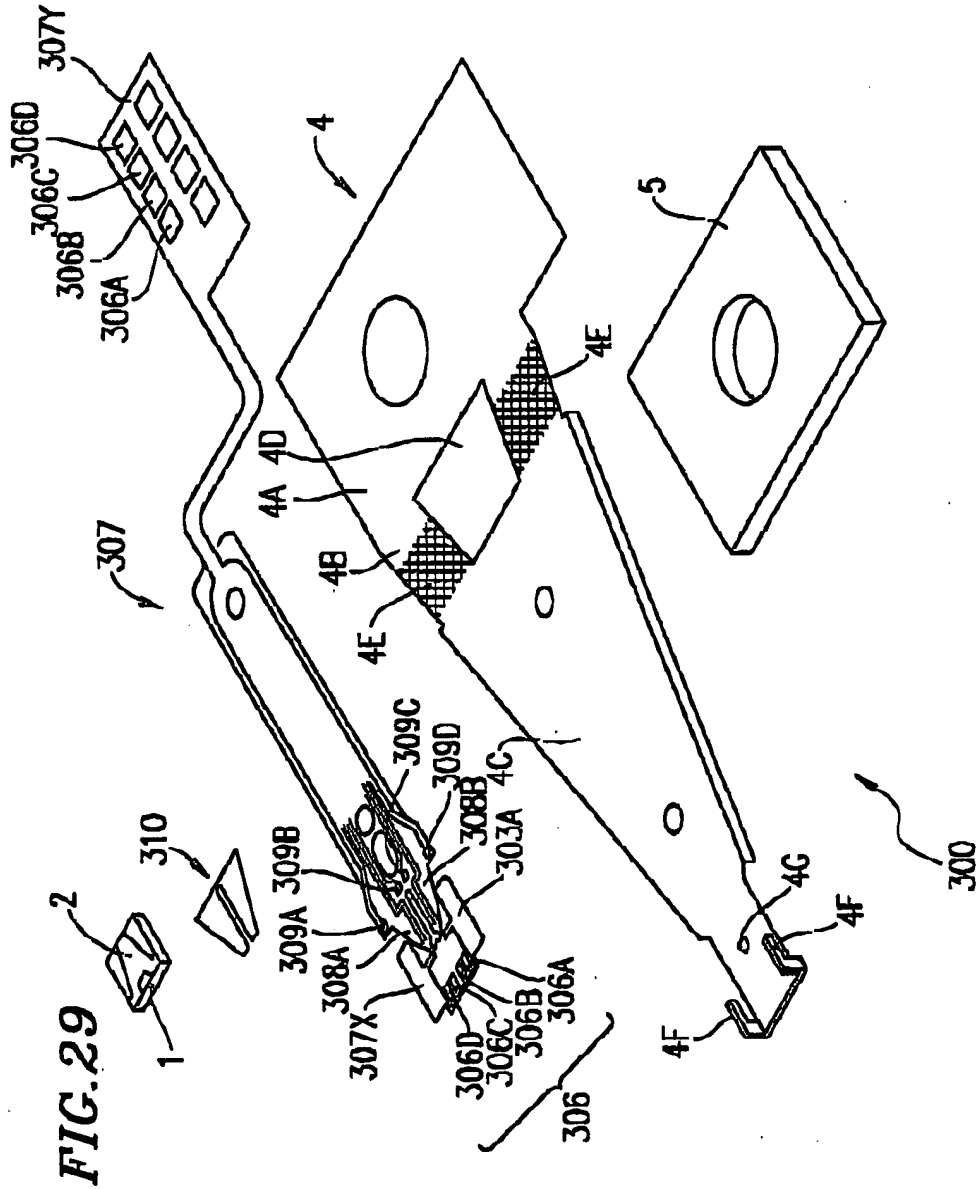
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FIG. 28



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FIG. 29





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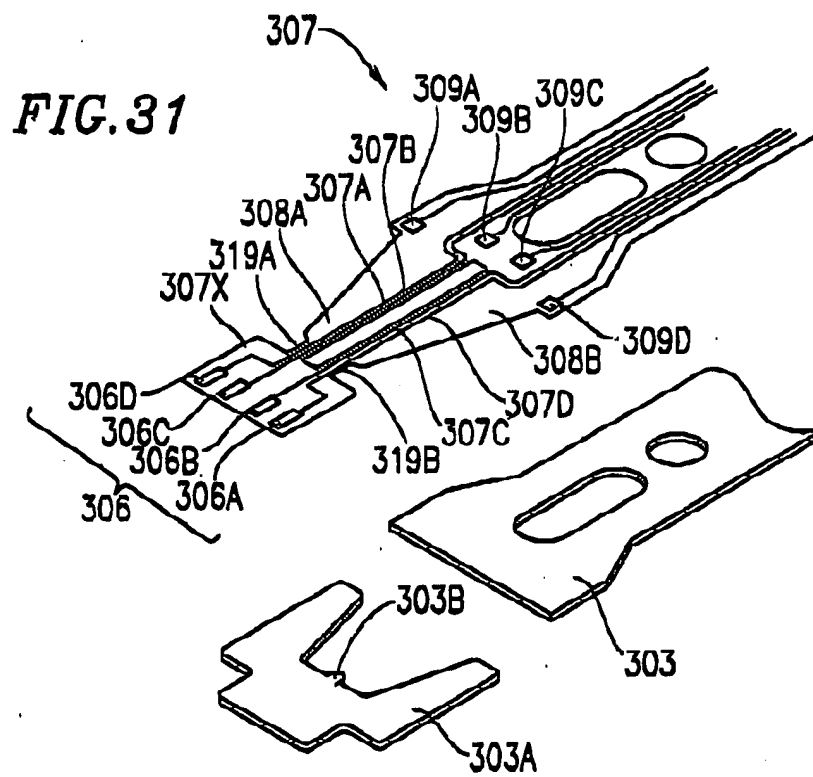
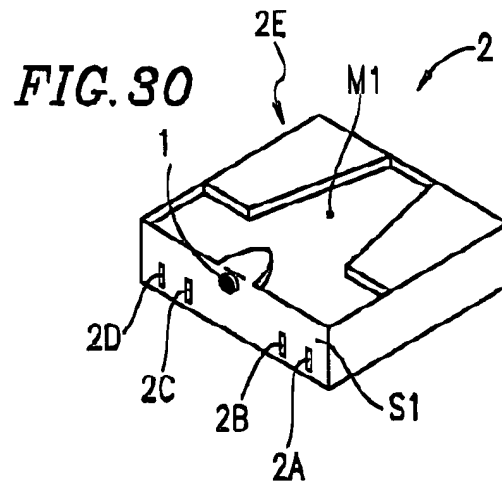
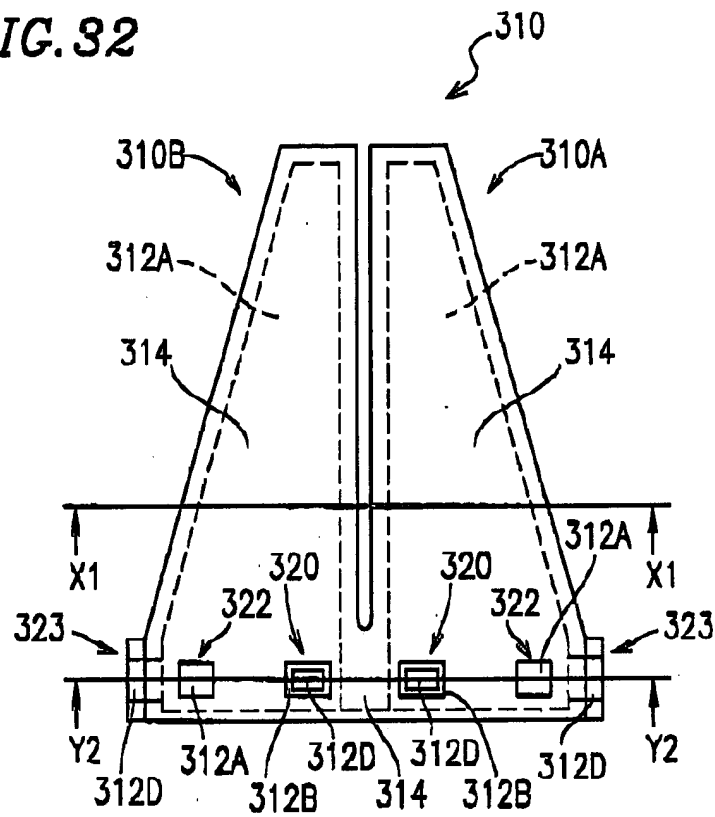


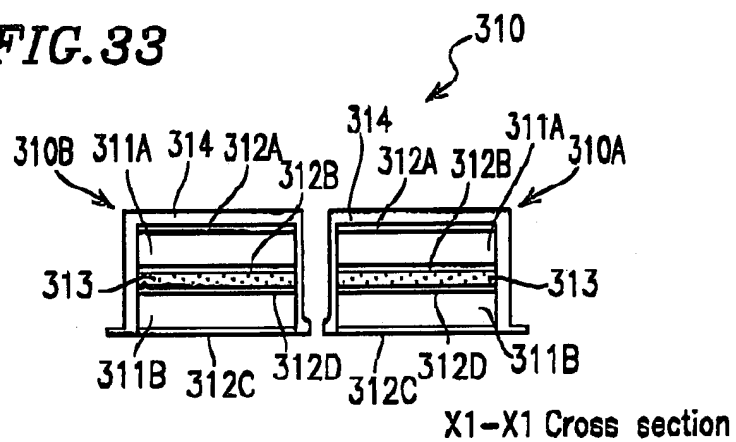
FIG. 30

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**FIG. 32**



**FIG. 33**



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FIG. 34

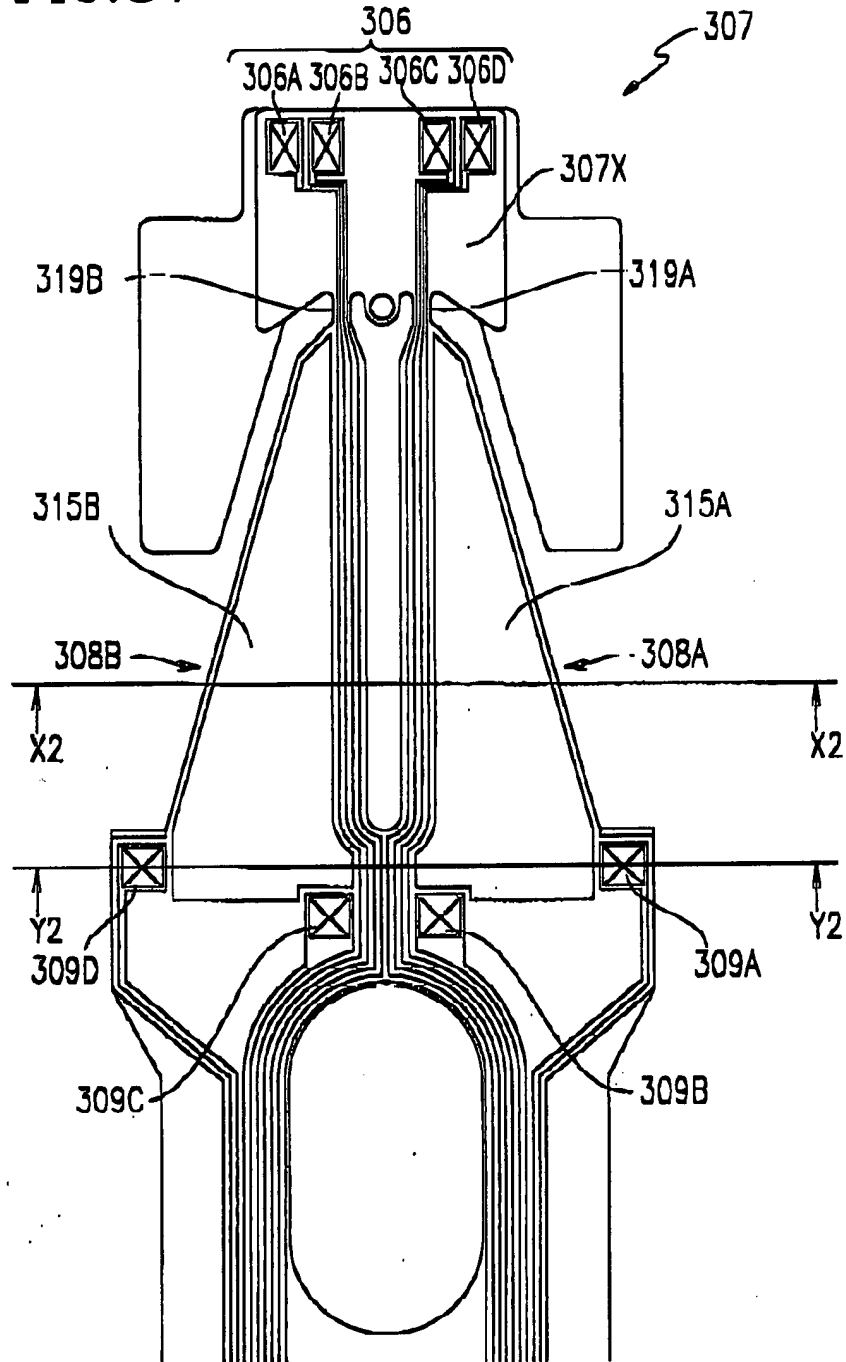
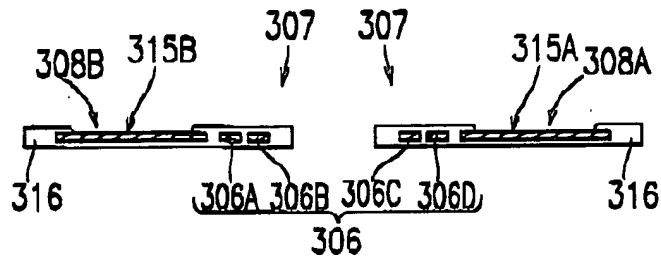


FIG. 34

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**FIG. 35**



X2-X2 Cross section

FIG. 35

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FIG. 36

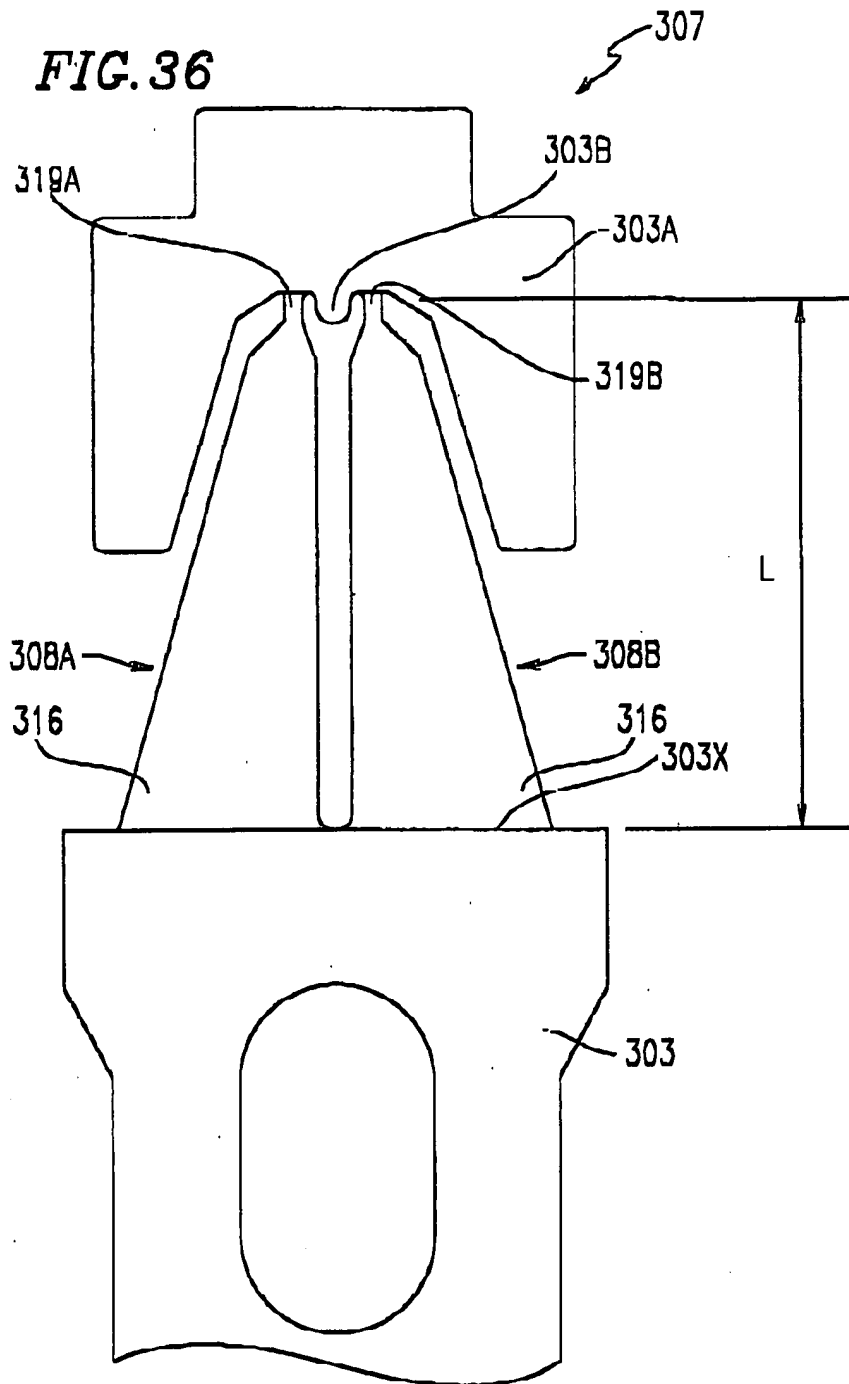


FIG. 36

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FIG. 37

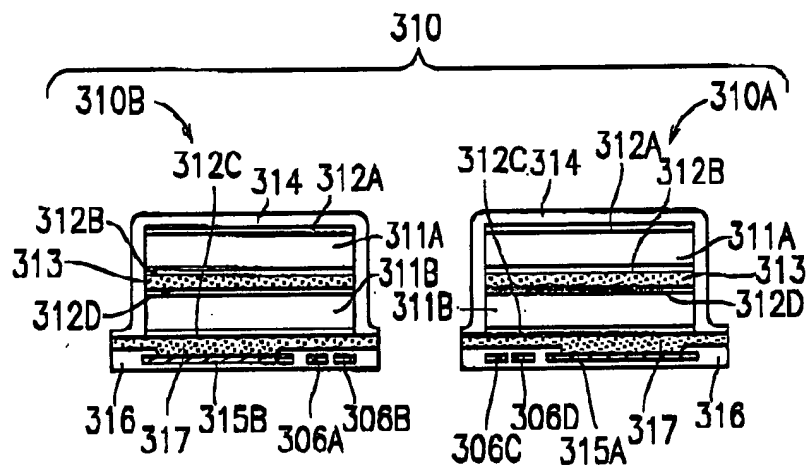
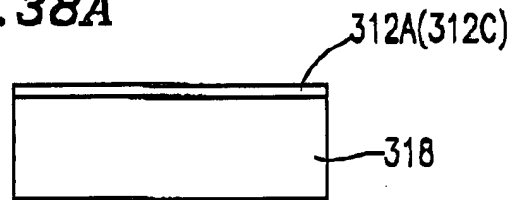


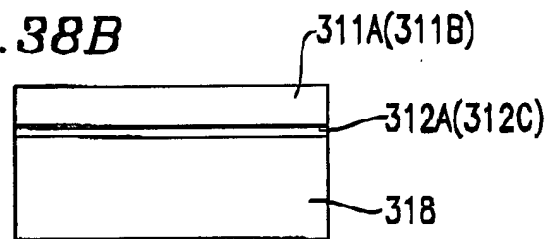
FIG. 37

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**FIG. 38A**



**FIG. 38B**



**FIG. 38C**

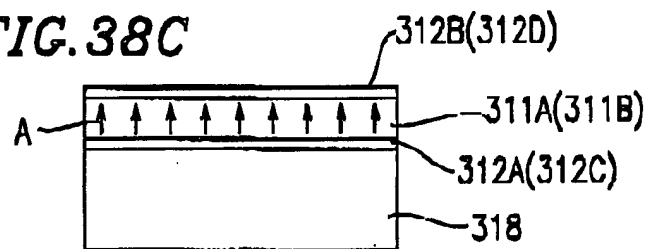


FIG. 38A

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FIG. 39A

FIG. 39A

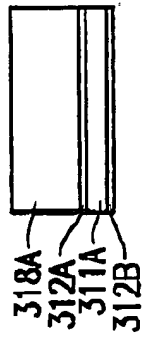


FIG. 39B

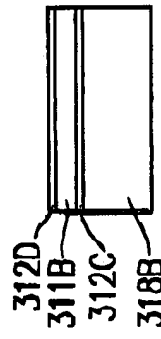


FIG. 39C

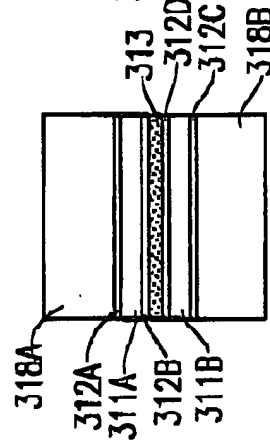


FIG. 39D

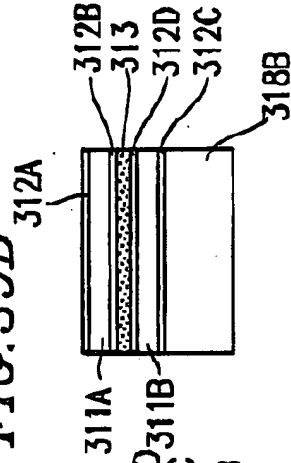


FIG. 39E

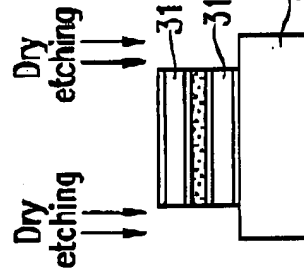


FIG. 39F

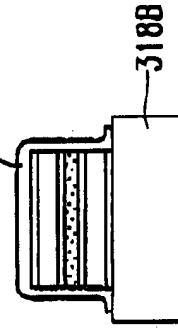


FIG. 39G





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FIG. 40

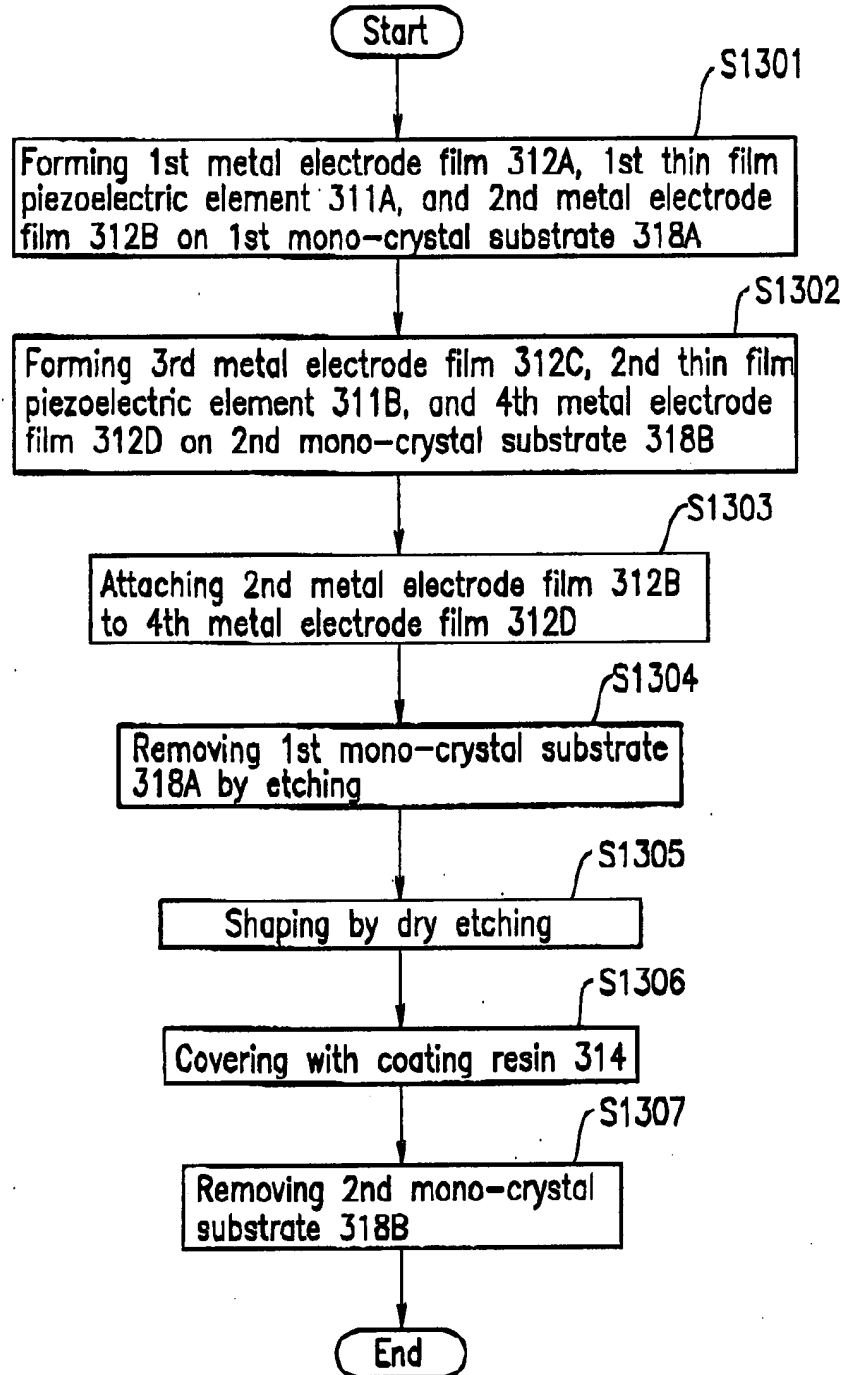


FIG. 40

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FIG. 41

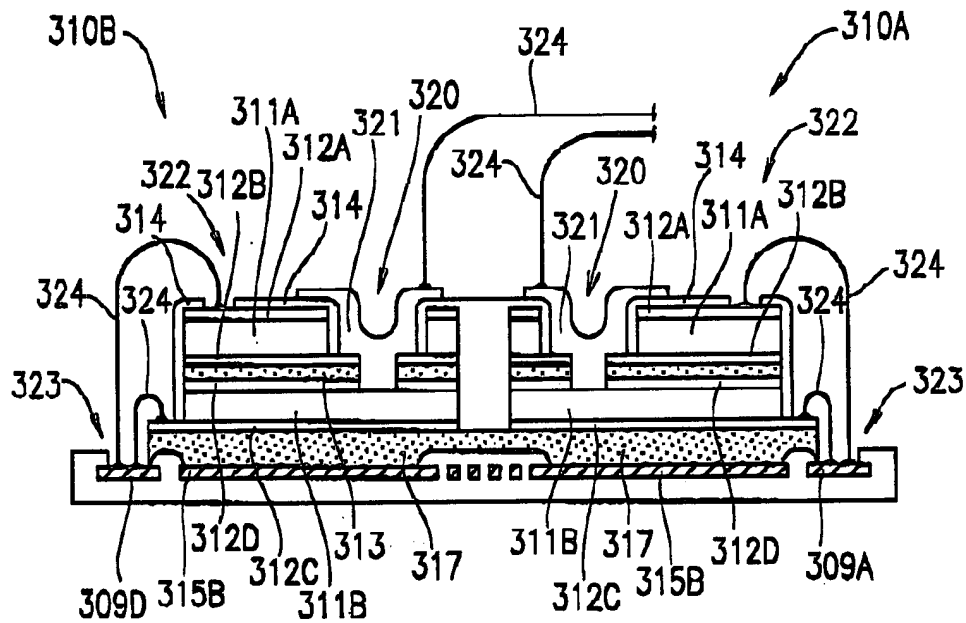
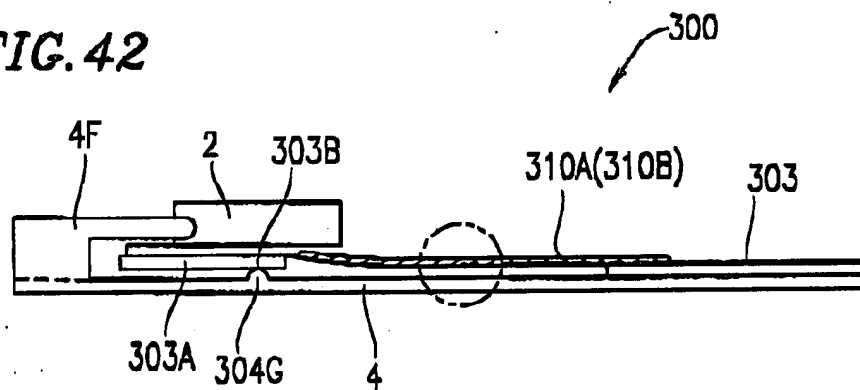
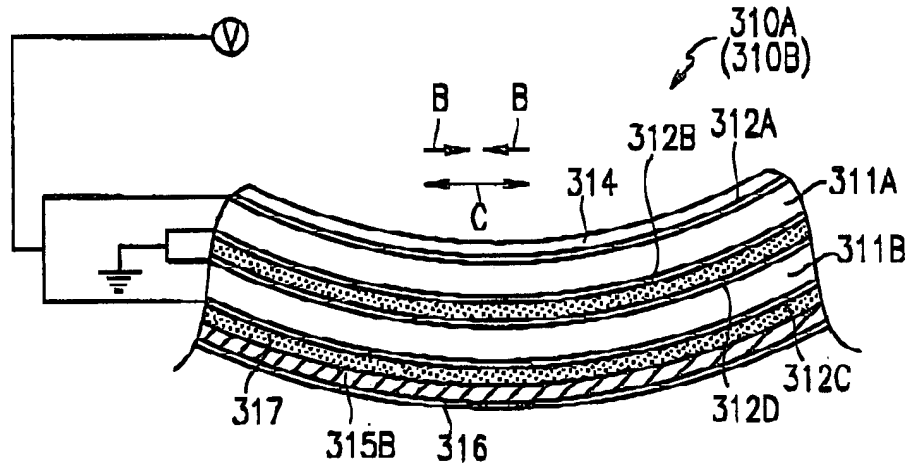


FIG. 42



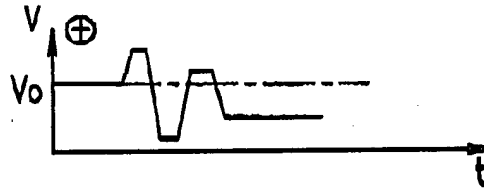
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**FIG. 43A**



**FIG. 43B**

Voltage applied to  
thin film piezoelectric  
terminal 309A



**FIG. 43C**

Voltage applied to  
thin film piezoelectric  
terminal 309D

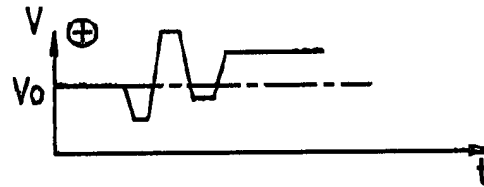


FIG. 43A

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FIG. 44A

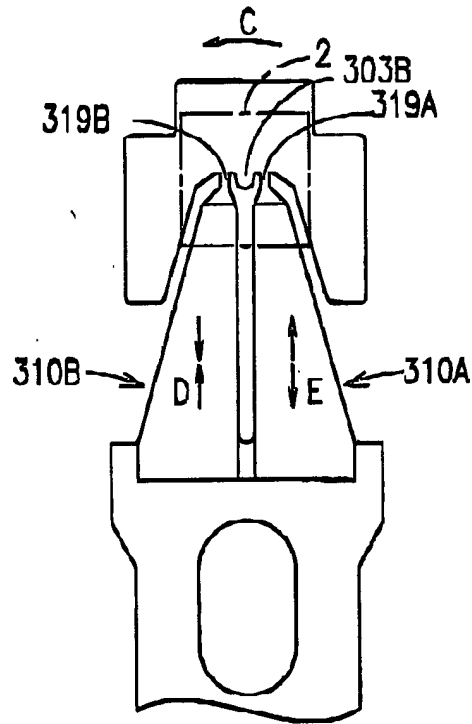


FIG. 44B

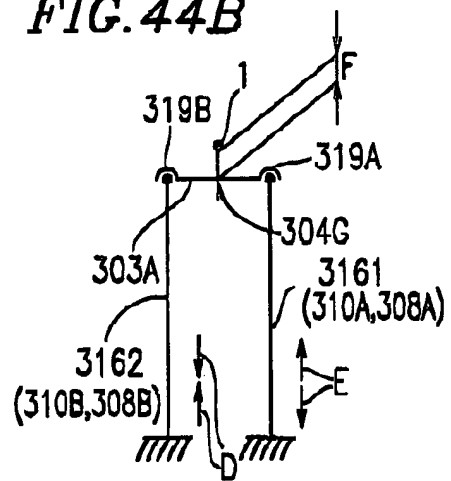
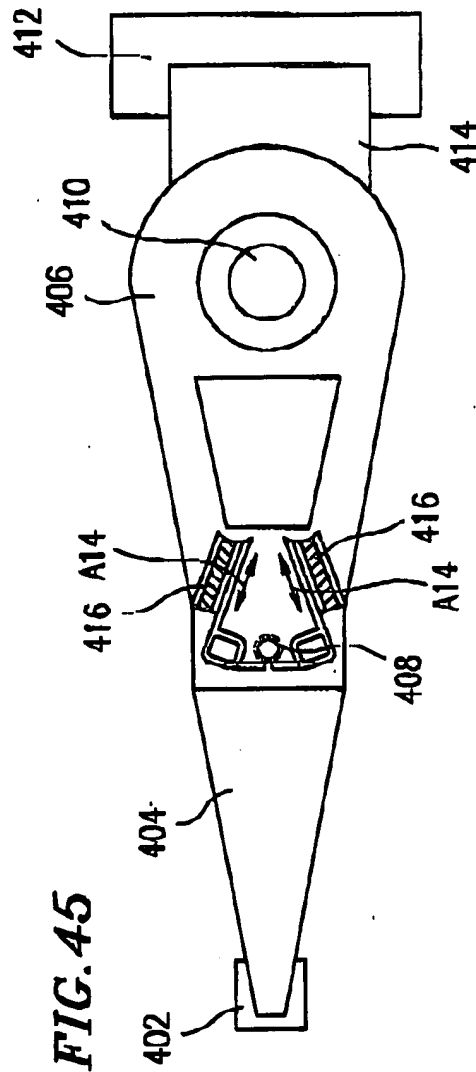


FIG. 44A

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